

Panagiotis G Karagiannidis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3692901/publications.pdf>

Version: 2024-02-01

38
papers

1,373
citations

430874

18
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive manufacturing of recycled plastics: Strategies towards a more sustainable future. <i>Journal of Cleaner Production</i> , 2022, 335, 130236.	9.3	25
2	Ïio-Based Epoxy/Amine Reinforced with Reduced Graphene Oxide (rGO) or GLYMO-rGO: Study of Curing Kinetics, Mechanical Properties, Lamination and Bonding Performance. <i>Nanomaterials</i> , 2022, 12, 222.	4.1	8
3	A business model for additive manufacturing of recycled plastics towards sustainability. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 7997-8011.	3.0	5
4	Impact of strategic control and supply chain management on recycled plastic additive manufacturing. <i>Journal of Cleaner Production</i> , 2022, 364, 132511.	9.3	6
5	Graphene-Based Interconnects for Stable Dye-Sensitized Solar Modules. <i>ACS Applied Energy Materials</i> , 2021, 4, 98-110.	5.1	9
6	Radiation Graft-Copolymerization of Ultrafine Fully Vulcanized Powdered Natural Rubber: Effects of Styrene and Acrylonitrile Contents on Thermal Stability. <i>Polymers</i> , 2021, 13, 3447.	4.5	12
7	Screen-printed and spray coated graphene-based RFID transponders. <i>2D Materials</i> , 2020, 7, 015019.	4.4	12
8	Development of new graphene/epoxy nanocomposites and study of cure kinetics, thermal and mechanical properties. <i>Thermochimica Acta</i> , 2020, 694, 178785.	2.7	16
9	Highly filled graphite/graphene/carbon nanotube in polybenzoxazine composites for bipolar plate in PEMFC. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30898-30910.	7.1	46
10	Effect of sintering techniques on microstructural, mechanical and tribological properties of Al-SiC composites. <i>Surfaces and Interfaces</i> , 2020, 20, 100598.	3.0	31
11	Development of Lightweight and High-Performance Ballistic Helmet Based on Poly(Benzoxazine-co-Urethane) Matrix Reinforced with Aramid Fabric and Multi-Walled Carbon Nanotubes. <i>Polymers</i> , 2020, 12, 2897.	4.5	2
12	Effects of chemical structure and morphology of graphene-related materials (GRMs) on melt processing and properties of GRM/polyamide-6 nanocomposites. <i>Results in Materials</i> , 2020, 7, 100105.	1.8	18
13	Investigation of Metal-based Composites Vibration Properties Using Modal Analysis in Combination with Wavelet Transforms Under Imitation of Operational Loads. <i>Materials and Geoenvironment</i> , 2020, 67, 45-63.	0.2	1
14	3-Phase hierarchical graphene-based epoxy nanocomposite laminates for automotive applications. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2169-2177.	10.7	19
15	Graphene Saturable Absorbers at Terahertz Frequency from Liquid Phase Exfoliation of Graphite. , 2018, , .		1
16	Microfluidization of Graphite and Formulation of Graphene-Based Conductive Inks. <i>ACS Nano</i> , 2017, 11, 2742-2755.	14.6	257
17	Terahertz saturable absorbers from liquid phase exfoliation of graphite. <i>Nature Communications</i> , 2017, 8, 15763.	12.8	93
18	Theoretical Considerations and a Mathematical Model for the Analysis of the Biomechanical Response of Human Keratinized Oral Mucosa. <i>Frontiers in Physiology</i> , 2016, 7, 364.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Performance of hybrid buffer Poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) layers doped with plasmonic silver nanoparticles. <i>Thin Solid Films</i> , 2014, 560, 27-33.	1.8	14
20	High performance transistors based on the controlled growth of triisopropylsilylethynyl-pentacene crystals <i>via</i> non-isotropic solvent evaporation. <i>RSC Advances</i> , 2014, 4, 20804-20813.	3.6	26
21	Measurements of elastic modulus for human anterior lens capsule with atomic force microscopy: the effect of loading force. <i>International Ophthalmology</i> , 2014, 34, 519-523.	1.4	9
22	Non-destructive optical characterization of phase separation in bulk heterojunction organic photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 125, 190-197.	6.2	10
23	Optical investigations of the effect of solvent and thermal annealing on the optoelectronic properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) films. <i>Thin Solid Films</i> , 2013, 541, 102-106.	1.8	27
24	Evaluation of the functionality of biodegradable polymeric platforms for drug delivery systems. <i>Applied Surface Science</i> , 2013, 281, 54-59.	6.1	3
25	Bioelectronics meets nanomedicine for cardiovascular implants: PEDOT-based nanocoatings for tissue regeneration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4294-4304.	2.4	55
26	Effect of process parameters on the morphology and nanostructure of roll-to-roll printed P3HT:PCBM thin films for organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2013, 112, 36-46.	6.2	51
27	Effects of buffer layer properties and annealing process on bulk heterojunction morphology and organic solar cell performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 14624.	6.7	42
28	Development of a nanoporous and multilayer drug-delivery platform for medical implants. <i>International Journal of Nanomedicine</i> , 2012, 7, 5327.	6.7	28
29	Plasmonic silver nanoparticles for improved organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 104, 165-174.	6.2	195
30	Novel nanostructured biomaterials: implications for coronary stent thrombosis. <i>International Journal of Nanomedicine</i> , 2012, 7, 6063.	6.7	29
31	Picosecond laser patterning of PEDOT:PSS thin films. <i>Synthetic Metals</i> , 2011, 161, 431-439.	3.9	37
32	Substrate treatment and drying conditions effect on the properties of roll-to-roll gravure printed PEDOT:PSS thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1556-1561.	3.5	27
33	Evolution of vertical phase separation in P3HT:PCBM thin films induced by thermal annealing. <i>Materials Chemistry and Physics</i> , 2011, 129, 1207-1213.	4.0	103
34	Electrical properties of LiNbO ₃ (electrolyte)/Cu (anode) bi-layers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 512-514.	3.5	3
35	Thermal annealing effect on the nanomechanical properties and structure of P3HT:PCBM thin films. <i>Thin Solid Films</i> , 2011, 519, 4105-4109.	1.8	57
36	BIOFUNCTIONALIZATION OF PET/SiO ₂ SURFACES FOR SINGLE MOLECULE EXPERIMENTS AND MEDICAL APPLICATIONS. <i>Nano</i> , 2011, 06, 271-277.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Physical Properties of a Hybrid and a Nanohybrid Dental Light-Cured Resin Composite. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1831-1844.	3.5	10
38	Study of crystallinity and thermomechanical analysis of annealed poly(ethylene terephthalate) films. European Polymer Journal, 2008, 44, 1475-1486.	5.4	77